

Combined Heat and Power (CHP) Bid Pool

Lead Bidder ⁵	System Type	Size (kW) or Rating	Electric Only Efficiency % ³	System Efficiency %	Equipment Type	Manufacturer	Bid Category/Type of Bidder ¹
Bay City Electric Works, Inc.	CHP	80	NA ²	80-90	Microturbine-based fully integrated CHP system	Bowman Power Systems	Bid Pool - Turnkey Installation Contractor, ESCO
	Non-CHP	80	26-30	NA	Packaged electrical only recuperated microturbine system	Bowman Power Systems	
Bowman Power Systems, Inc.	CHP	80	NA	80-90	Microturbine-based fully integrated CHP system	Bowman Power Systems	Equipment Bidder -Manufacturer
	Non-CHP	80	26-30	NA	Packaged electrical only recuperated microturbine system	Bowman Power Systems	
Capstone Turbine Corporation	CHP	60	NA	85	High-pressure gaseous fuel microturbine	Capstone Turbine	Bid Pool - Manufacturer and Turnkey Installer
	Non-CHP	60	28	NA	High-pressure gaseous fuel microturbine	Capstone Turbine	
	CHP	30	NA	85	High-pressure gaseous fuel microturbine	Capstone Turbine	
	Non-CHP	30	26 (+/-2)	NA	High-pressure gaseous fuel microturbine	Capstone Turbine	
	CHP	28	25 (+/-2)	NA	Low-pressure natural gas w/foil bearing microturbine	Capstone Turbine	
	Non-CHP	28	25 (+/-2)	NA	Low-pressure natural gas w/foil bearing microturbine	Capstone Turbine	
	CHP and Non-CHP	15-30	26 (+/-2)	NA	Landfill and digester gas microturbine	Capstone Turbine	
	CHP and Non-CHP	60, 28	NA	NA	Integrated Fuel System	Copeland Corporation	
Chevron Energy Solutions	Non-CHP	50	30	NA	Internal combustion engine-based generator	Generac Power Systems	Bid Pool - ESCO, Distributed Energy Resources Company
	CHP and Non-CHP	75, 140, 200, 350, 450	34 all	NA	Internal combustion engine-based generator	Hess	
	CHP	75, 150	30, 31-35	77, 68-76	Internal combustion engine-based generator	Ipower Technologies L.L.C.	
	CHP	400	28	65-73	Mini-turbine-based generator	DTE Technologies, Inc.	
	CHP	1,000	37	81	Internal combustion engine-based generator	DTE Technologies, Inc.	
	CHP	28	26-27	NA	Low-pressure natural gas w/foil bearing RFC microturbine	Capstone Turbine	
	CHP	60	28	NA	High-pressure gaseous fuel microturbine	Capstone Turbine	

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CMS Viron Energy Services	Non-CHP	50	30	65 (CHP Not recommended)	Internal combustion engine-based generator	Generac Power Systems	Bid Pool - Distributed Energy Resource Company, Licensed General Building Contractor (B), ESCO
	Non-CHP	75	30	77	Internal combustion engine-based generator	Ipower Technologies L.L.C.	
	CHP	150	31-35	68-76	Internal combustion engine-based generator	Ipower Technologies L.L.C.	
	CHP	400	28	65-73	Mini-turbine-based generator	DTE Technologies, Inc.	
	CHP	678	37	86	Internal combustion engine-based generator	Deutz Corporation	
	CHP	1,000	37	81	Internal combustion engine-based generator	DTE Technologies, Inc.	
Cummins Cal Pacific, Inc.	CHP and Non-CHP	30	26	85	High-pressure gaseous fuel microturbine	Capstone	Bid Pool - Distributed Energy Resource Company, DG Energy Company
	CHP and Non-CHP	60	28	85	High-pressure gaseous fuel microturbine	Capstone	
	CHP and Non-CHP	334	34	60-85	Internal combustion engine-based generator	Cummins	
	CHP and Non-CHP	1000 - 1100	38	60-85	Internal combustion engine-based generator	Cummins	
	CHP and Non-CHP	1,260	39	60-85	Internal combustion engine-based generator	Cummins	
	CHP and Non-CHP	1,750	39	60-85	Internal combustion engine-based generator	Cummins	
Cummins West, Inc.	CHP and Non-CHP	334	34	60-85	Internal combustion engine-based generator	Cummins	Bid Pool - Distributed Energy Resource Company
	CHP and Non-CHP	1000 - 1100	38	60-85	Internal combustion engine-based generator	Cummins	
	CHP and Non-CHP	1,260	39	60-85	Internal combustion engine-based generator	Cummins	
	CHP and Non-CHP	1,750	39	60-85	Internal combustion engine-based generator	Cummins	
	CHP and Non-CHP	30	26	85	High-pressure gaseous fuel microturbine	Capstone	
	CHP and Non-CHP	60	28	85	High-pressure gaseous fuel microturbine	Capstone	

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DTE Energy Technologies	Non-CHP	25	30	82	External combustion (Stirling) engine-based generator	STM Power, Inc.	Bid Pool - Intregator, Developer, Distributed Energy Resource Company, DG Energy Company
	CHP and Non-CHP	75	30	77	Internal combustion engine-based generator	Ipower Technologies L.L.C.	
	CHP and Non-CHP	150	31-35	68-76	Internal combustion engine-based generator	Ipower Technologies L.L.C.	
	CHP	400	28	80	Mini-turbine-based generator	DTE Technologies, Inc.	
	CHP	1,000	37	81	Internal combustion engine-based generator	DTE Technologies, Inc.	
Distributed Generation Group, LLC	CHP and Non CHP	550, 750, 1250, 1400	NA	NA	Natural gas reciprocating engine	Caterpillar	Bid Pool - Integrator, Developer, Installation Contractor, DG Energy Company
	CHP and Non CHP	750, 1000	NA	NA	Natural gas reciprocating engine	Waukesha	
EMCOR Group, Inc.	CHP	80	NA	72	Microturbine-based fully integrated CHP system	Bowman Power Systems	Bid Pool - Distributed Energy Resource Company, DG Energy Company, Licensed General/Mechanical/Electrical Contractor
	Non-CHP	80	24	NA	Packaged electrical only recuperated microturbine system	Bowman Power Systems	
	CHP and Non-CHP	140	33	80	Internal combustion engine-based generator	Hess	
	CHP and Non-CHP	350	33	80	Internal combustion engine-based generator	Hess	
	CHP and Non-CHP	750, 1000	27, 29	75, 70	Natural gas reciprocating engine	Caterpillar	
Encompass Facility Services	CHP	80	NA	80-90	Microturbine-based fully integrated CHP system	Bowman Power Systems	Bid Pool - Licensed Installation Contractor
	CHP	600	NA	93	Microturbine-based generator	Hess	
	CHP	980	NA	90	Internal combustion engine-based generator	Power Generating Systems	
General Electric International, Inc.	CHP and Non-CHP	1,000	36	92	Internal combustion engine-based generator	Jenbacher	Bid Pool - Intregator, Developer, Distributed Energy Resource Company, DG Energy Company
	CHP and Non-CHP	678	36	91	Internal combustion engine-based generator	Jenbacher	
	CHP and Non-CHP	505	35	91	Internal combustion engine-based generator	Jenbacher	
	CHP and Non-CHP	325	35	88	Internal combustion engine-based generator	Jenbacher	
	CHP and Non-CHP	220	35	88	Internal combustion engine-based generator	Jenbacher	

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Hawthorne Power Systems	CHP and Non-CHP	135	26	75	Internal combustion engine-based generator	Caterpillar	Bid Pool - Integrator, Developer, Distributed Energy Resource Company, DG Energy Company
	CHP and Non-CHP	190	29	76	Internal combustion engine-based generator	Caterpillar	
	CHP and Non-CHP	355	29	76	Internal combustion engine-based generator	Caterpillar	
	CHP and Non-CHP	750	29	75	Internal combustion engine-based generator	Caterpillar	
	CHP and Non-CHP	1,000	31	71	Internal combustion engine-based generator	Caterpillar	
Ingersoll-Rand Energy Systems	CHP and Non-CHP	70	28	74	Microturbine generator - both natural gas and waste gas applications	Ingersoll-Rand	Bid Pool - Integrator, Developer
Ormat Technologies, Inc.	CHP and Non-CHP	200	NA	NA	Biomass combustion system/Biomass energy converter	Carbon Cycle/ Ormat	Bid Pool - Integrator, Developer, DG Energy Company
Power Generating Systems, Inc.	CHP	375, 560, 750, 980	33, 33, 33, 32	55, 55, 55, 53	Internal combustion modular cogeneration internal combustion	Power Generating Systems	Equipment Bidder - Supplier, Integrator, DG Energy Company, Installation Contractor
RealEnergy, Inc. ⁴	CHP	200	34	NA	Natural gas internal combustion engine genset	Hess	Bid Pool - Integrator, Developer, Distributed Energy Resource Company, DG Energy Company
	CHP	30	28	85	High-pressure gaseous fuel microturbine	Capstone Turbine	
Pan Gulf	CHP and Non-CHP	130, 280, 400, 850	29, 31, 31, 31	74, 75, 77, 75	Internal combustion engine-based generator	Simpower	Bid Pool - Integrator, Developer, ESCO, DG Energy Company
Semptra Energy Connections	CHP and Non-CHP	80	25	70	Microturbine-based fully integrated CHP system	Bowman Power Systems	Bid Pool - Integrator, ESCO, Developer, Distributed Energy Resource Company, DG Energy Company
	CHP and Non-CHP	70	28	74	Microturbine generator - both natural gas and waste gas applications	Ingersoll-Rand	
	CHP and Non-CHP	100	28	80	Microturbine - based generator	Turbec	
Solar Turbines Incorporated ⁶	CHP	5,200	NA	74	Industrial gas - combustion turbine, unfired	Solar Turbines	Equipment Bidder - Integrator, Manufacturer
Turbec Americas, Inc.	CHP	100	30	80	Microturbine - based generator	Turbec	Equipment Bidder - Systems or equipment manufacturer
Vector Resources, Inc.	CHP	80	NA	80-90	Microturbine-based fully integrated CHP system	Bowman Power Systems	Bid Pool - Licensed integration and installation contractor
	Non-CHP	80	26-30	NA	Packaged electrical only recuperated microturbine system	Bowman Power Systems	

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¹ Bidders self-selected terms to describe their company. Bid Pool indicates eligible for the bid pool and equipment bidder means they can be found on the equipment bidder list.

² NA = Not reported.

³ Efficiencies reported are rounded up to the nearest percentile and ranges of +/- variations differ. These numbers are estimates.

⁴ RealEnergy currently uses systems shown and under conditions where they own, operate and maintain systems and provide power to the host site under negotiated, long-term lease agreements.

⁵ All bidders qualified for the Bid Pool indicated ability to offer some type of alternative financing or ownership of systems other than where the host site owns the systems, although not a base requirement of the eligibility pool.

⁶ This equipment bidder offered a unique-sized turbine sized for potential larger institutional public sector applications and was included on the eligibility as an above 1MW equipment bidder.